

Appendix A

```

15      <?xml version="1.0" ?>
      - <!-- Viziworx XML Schema 1.1
        -->
      - <project>
20      <emulate>True</emulate>
      <useWMP>False</useWMP>
      <pjName>demo project</pjName>
      <date>8/11/2000 1:14:09 PM</date>
      <author>Steve Markel</author>
25      <canvas>pal</canvas>
      <notes>simple one page enhancement</notes>
      - <pages>
      - <page>
      <pgName>index</pgName>
30      - <element>
      <elName>tv9</elName>
      <type>tv</type>
      <src />
      <top>0</top>
35      <left>0</left>
      <height>392</height>
      <width>523</width>
      <zOrder>-1</zOrder>
      <url />
40      <font />
      <color />
      <size />
      <rows>0</rows>
      <cols>0</cols>
45      </element>
      - <element>
      <elName>nav</elName>
      <type>graphic</type>
      <src>C:/viziworx/betaGraphics/nav.jpg</src>
50      <top>0</top>
      <left>519</left>
      <height>480</height>
      <width>121</width>
      <zOrder>1</zOrder>
55      <url />
      <font />
      <color />

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        <size />
        <rows>-1</rows>
60    <cols>-1</cols>
        </element>
    - <element>
        <elName>button1</elName>
        <type>graphic</type>
65    <src>C:/viziworx/betaGraphics/button1.jpg</src>
        <top>108</top>
        <left>530</left>
        <height>20</height>
        <width>97</width>
70    <zOrder>3</zOrder>
        <url />
        <font />
        <color />
        <size />
75    <rows>-1</rows>
        <cols>-1</cols>
        </element>
    - <element>
        <elName>button2</elName>
80    <type>graphic</type>
        <src>C:/viziworx/betaGraphics/button2.jpg</src>
        <top>144</top>
        <left>526</left>
        <height>25</height>
85    <width>97</width>
        <zOrder>4</zOrder>
        <url />
        <font />
        <color />
90    <size />
        <rows>-1</rows>
        <cols>-1</cols>
        </element>
    - <element>
95    <elName>button3</elName>
        <type>graphic</type>
        <src>C:/viziworx/betaGraphics/button3.jpg</src>
        <top>187</top>
        <left>525</left>
100    <height>19</height>
        <width>97</width>

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105      <zOrder>5</zOrder>
      <url />
      <font />
      <color />
      <size />
      <rows>-1</rows>
      <cols>-1</cols>
      </element>
110  - <element>
      <elName>button4</elName>
      <type>graphic</type>
      <src>C:/viziworx/betaGraphics/button4.jpg</src>
      <top>221</top>
115      <left>528</left>
      <height>42</height>
      <width>97</width>
      <zOrder>6</zOrder>
      <url />
120      <font />
      <color />
      <size />
      <rows>-1</rows>
      <cols>-1</cols>
125      </element>
      - <element>
      <elName>text</elName>
      <type>graphic</type>
      <src>C:/viziworx/betaGraphics/text.jpg</src>
130      <top>391</top>
      <left>0</left>
      <height>89</height>
      <width>521</width>
      <zOrder>2</zOrder>
135      <url />
      <font />
      <color />
      <size />
      <rows>-1</rows>
140      <cols>-1</cols>
      </element>
      - <element>
      <elName>textarea8</elName>
      <type>ta</type>
145      <src />

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150      <top>406</top>
        <left>84</left>
        <height>50</height>
        <width>438</width>
        <zOrder>9</zOrder>
        <url />
        <font>arial</font>
        <color>#000000</color>
        <size>normal</size>
155      <rows>5</rows>
        <cols>80</cols>
        </element>
- <element>
160      <elName>localogo</elName>
        <type>graphic</type>
        <src>C:/viziworx/betaGraphics/localogo.jpg</src>
        <top>408</top>
        <left>17</left>
        <height>51</height>
165      <width>55</width>
        <zOrder>7</zOrder>
        <url />
        <font />
        <color />
170      <size />
        <rows>-1</rows>
        <cols>-1</cols>
        </element>
- <element>
175      <elName>ad</elName>
        <type>graphic</type>
        <src>C:/viziworx/betaGraphics/ad.gif</src>
        <top>418</top>
        <left>522</left>
180      <height>29</height>
        <width>108</width>
        <zOrder>8</zOrder>
        <url />
        <font />
185      <color />
        <size />
        <rows>-1</rows>
        <cols>-1</cols>
        </element>

```

```

190      <triggers>
      <trigger>
      <time>2</time>
      <prop>txt</prop>
      <elName>textarea9</elName>
195      <param>the first prompt</param>
      </trigger>
      <trigger>
      <time>4</time>
      <prop>txt</prop>
200      <elName>textarea9</elName>
      <param>the second prompt</param>
      </trigger>
      <trigger>
      <time>6</time>
205      <prop>src</prop>
      <elName>ad</elName>
      <param>C:/viziworxTestfiles/betaGraphics/amazon.jpg</param>
      </trigger>
      <trigger>
210      <time>8</time>
      <prop>txt</prop>
      <elName>textarea9</elName>
      <param>the final prompt</param>
      </trigger>
215      </triggers>
      </page>
      </pages>
      </project>

```

Appendix B

220 This appendix shows code generated from the XML file listed in Appendix A employing a parser of the present invention. Steps shown in bold reference steps shown in figure 3.

[Step 302]

225 <html>
 <head>
 <title>index</title>
 <!--..... Emulation: index.htm-->
 230 <!--Code generated by ViziWorx, Inc.-->
 <!--Please contact us at info@viziworx.com-->
 <!---->
 <!--Project Name: demo project-->
 <!--Page Name: index-->
 235 <!--Author: Steve Markel-->
 <!--Date Authored: 8/11/2000 1:13:21 PM-->
 <!--Layout: -->
 <!--Notes: simple one page enhancement-->
 <!---->

[Step 304]

<!--(none) -->

[Step 306]

<script language="javascript">
 var timerDelta=50;
 250 var startCount=0;
 var timerID;
 var ms = 0;
 var iaT = 0;
 255 var pauseGo = 0;

 var aTriggers = new Array(
 2*1000, "textarea8('the first prompt')",
 4*1000, "textarea8('second prompt')",
 6*1000, "ad('C:/viziworx/betaGraphics/amazon.jpg')",
 8*1000, "textarea8('final prompt')",
 99999999,"");

[Steps 308 and 310]

function fnav(theImg) { document.all["nav"].src = theImg; }
 function fbutton1(theImg) { document.all["button1"].src =
 270 theImg; }
 function fbutton2(theImg) { document.all["button2"].src =
 theImg; }
 275 function fbutton3(theImg) { document.all["button3"].src =
 theImg; }
 function fbutton4(theImg) { document.all["button4"].src =
 theImg; }

```

280         function ftext(theImg) { document.all["text"].src = theImg;
    }

    function ftextarea8(theTxt) { window.textarea8.innerText =
285 theTxt; }

    function flocalogo(theImg) { document.all["localogo"].src =
theImg; }

290     function fad(theImg) { document.all["ad"].src = theImg; }
</script>

```

[Step 312]

```

295 <script language="javascript">
<!--
var ms = 0;
var state = 0;

300 function __secs2asc(t) {
    var tSecs = Math.floor(t/1000);
    var hrs = Math.floor(tSecs/3600);
    var mins = Math.floor((tSecs-(hrs*3600)) / 60);
305     var secs = tSecs-((hrs*3600) + (mins*60));
    var ms = t % 1000;

    if(hrs>23) return "";
    if(hrs < 10) hrs = "0" + hrs;
310     if(mins < 10) mins = "0" + mins;
    if(secs < 10) secs = "0" + secs;
    if(ms < 10) ms = "00" + ms;
    if(ms < 100) ms = "0" + ms;
    if(ms == 0) ms = "000";
315     return hrs + ":" + mins + ":" + secs + "." + ms;
}

function __startstop() {
    if (state == 0) {
320         ms = 0;
        state = 1;
        then = new Date();
        then.setTime(then.getTime() - ms);
        document.WMPlay.Play();
325         window.__frmTr.__cmdMPGo.value="Pause";
    }
    else {
        state = 0;
        now = new Date();
330         ms = now.getTime() - then.getTime();
        window.lblTime.innerText = __secs2asc(ms);
        document.WMPlay.Pause();
        window.__frmTr.__cmdMPGo.value="    Go    ";
    }
335 }

function __timeDisplay() {
    timerID = setTimeout("__timeDisplay();", 50);
    if (state == 1) {
340         now = new Date();
        ms = now.getTime() - then.getTime();
        window.lblTime.innerText = __secs2asc(ms);
    }
}

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    }
}
345
function __cmdMPGo_onclick() {
    if(timerID) clearTimeout(timerID)
    __timeDisplay();
350    __startstop();
    btnGo_onclick();
}

function __cmdMPStop_onclick() {
355    document.WMPlay.Stop();
    document.WMPlay.CurrentPosition = 0;
    state = 0;
    window.lblTime.innerText = __secs2asc(0);
    window.__frmTr.__cmdMPGo.value="    Go    ";
360    }

function Preview() {
    var func, ps, pe, param;
    if (aTriggers[iaT] <= ms) {
365        func = "f" + aTriggers[iaT+1];
        eval(func);
        iaT = iaT + 2;
    }
    ms = ms + timerDelta;
370    timerID = setTimeout("Preview()", timerDelta);
}

function btnStop_onclick() {
    clearTimeout(timerID);
375    pauseGo = 0;
}

function btnPause_onclick() {
    if (pauseGo == 0) {
380        btnStop();
        pauseGo = 1;
    }
    else {
        Preview();
385        pauseGo = 0;
    }
}

function btnGo_onclick() {
390    var offset;
    pauseGo = 0;
    for (ms=0,iaT=0; aTriggers[iaT] < ms; iaT=iaT+2) {}
    Preview();
395    }

[Step 314]

function window_onload() {
400    var p0 = document.body.innerHTML.lastIndexOf("<!--__stbody__-->");
    if(p0 > -1) {
        var p1 = document.body.innerHTML.indexOf("<![CDATA[", p0)+9;
        if(p1 > 8) { //if not, there was no imported html
            var s = "<DIV></DIV>]]&gt;";
405            var p2 = document.body.innerHTML.indexOf(s);

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        var c1 = p2-p1;
        document.body.innerHTML =
document.body.innerHTML.substr(p1, c1) + "</div>" +
document.body.innerHTML.substr(p2+s.length);
    }
}

```

```

window.__frmTr.__cmdMPGo.disabled=true;
window.__frmTr.__cmdMPStop.disabled=true;
document.WMPlay.FileName = "demo.asf";
document.WMPlay.ShowControls = false;
document.WMPlay.AutoStart = false;
window.__frmTr.__cmdMPGo.disabled=false;
window.__frmTr.__cmdMPStop.disabled=false;

```

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-->
</script>
</head>

```

[Step 316]

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<!-- none -->

```

[Step 318]

```

<body LANGUAGE="javascript" onload="return window_onload()">
<!--_stbody_-->
<div id="__divTr" style="position:absolute; top:500; left:0; z-index:0">
<form id="__frmTr" name="__frmTr">
<table border="0">
<tr>
<td>
<INPUT type="button" value="Go" id="__cmdMPGo" name="__cmdMPGo"
LANGUAGE="javascript" onclick="return __cmdMPGo_onclick()" />
<INPUT type="button" value="Stop" id="__cmdMPStop" name="__cmdMPStop"
LANGUAGE="javascript" onclick="return __cmdMPStop_onclick()" />
</td>
<td style="COLOR: #ff0000; FONT-FAMILY: Verdana; FONT-SIZE: 10pt; FONT-WEIGHT:
bold" bgcolor="#000000">
<LABEL name="lblTime" id="lblTime">00:00:00.000</LABEL>
</td>
</tr>
</table>
</form>
</div>

```

[Step 320]

```

<div id="tv9" style="position:absolute; top:0; left:0; z-index:-1">
<OBJECT codebase="CLSID:22D6F312-B0F6-11D0-94AB-0080C74C7E95"
classid="http://activex.microsoft.com/activex/controls/mplayer/en/nsmp2inf.cab#
Version=6,4,5,715" id="WMPlay" type="application/x-oleobject" id="WMPlay"
height="392" width="523" standby="Loading Microsoft Windows Media Player
components...">
<EMBED type="application/x-mplayer2" filename="demo.asf" displaysize="4"
name="WMPlay" width="523" height="392" />
</OBJECT>
</div>
<div id="divnav" style="position:absolute; top:0; left:519; z-index:1" href="">


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470 </div>
    <div id="divbutton1" style="position:absolute; top:108; left:530; z-index:3"
      href="">
        
        </div>
475 <div id="divbutton2" style="position:absolute; top:144; left:526; z-index:4"
      href="">
        
        </div>
480 <div id="divbutton3" style="position:absolute; top:187; left:525; z-index:5"
      href="">
        
        </div>
485 <div id="divbutton4" style="position:absolute; top:221; left:528; z-index:6"
      href="">
        
        </div>
490 <div id="divtext" style="position:absolute; top:391; left:0; z-index:2"
      href="">
        
        </div>
495 <div id="textarea8" style="position:absolute; top:406; left:84; width:438;
      height:50; color:#000000; font-size:normal; font-family:arial; z-index:9">
          Preview Text Area
          </div>
500 <div id="divlocalogo" style="position:absolute; top:408; left:17; z-index:7"
      href="">
        
        </div>
505 <div id="divad" style="position:absolute; top:418; left:522; z-index:8"
      href="">
        
        </div>
510 </body>
    </html>

```